

REPORT

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THIS IS UNEVALUATED INFORMATION FOR THE RESEARCH
USE OF TRAINED INTELLIGENCE ANALYSTS

1. The following are the principal members of the staff of the Warnemünde meteorological observatory:

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Professor Falkenberg
Dr. Knepple
Dipl. Phys. Bolz
Dipl. Met. Lauter
2. Professor Falkenberg, assisted by the meteorologist Lauter, has been engaged in the following work: the tracing of general weather phenomena to extra-terrestrial causes; investigation of the possible formation of the ozone layer through solar electrons and/or components of cosmic rays study of the dependence of the 500 millibar plane on the varying intensity of electromagnetic waves; study of abnormal reflections from the D and/or F layers. Results: both curves show a four-day delay. From this it is hoped that conclusions may be drawn about the behavior of differences of atmospheric pressure, and this may allow the preparation of weather forecasts four days in advance.
3. Bolz is making a study of the warmth (Wärmehaushalt) of the atmosphere. He is measuring the infra-red internal radiation of the atmosphere. He is also calculating the solar radiation from the zenith and of the whole firmament, using the vibration pyrometer invented by Falkenberg. His experiments have been published in the Zeitschrift der Meteorologie. Dr. Knepple is engaged purely in the making of weather forecasts.
4. Results of all experiments at the Warnemünde observatory must be submitted monthly to the Russian authorities.

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